

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/076555 A1

(51) International Patent Classification⁷: **H04L 25/02**
(21) International Application Number:
PCT/RU2004/000037

(22) International Filing Date: 5 February 2004 (05.02.2004)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **ZA-KRYTOE AKTSIONERNOE OBSHESTVO INTEL** [RU/RU]; Chapaevsky per., 14, Sokol-10 Business Center, Moscow, 125252 (RU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MALTSEV, Alexandr Alexandrovich** [RU/RU]; ul. Verhne-Pecherskaya, 1-7, Nizhny Novgorod, 603163 (RU). **SADRI, Ali, Soheil** [US/US]; 11835 Carmel Mountain Road, Suite 1304-360, San Diego, CA 92128 (US). **KHORYAEV, Alexey Vladimirovich** [RU/RU]; ul. Chernyakhovskogo, 4-14, Dzerzhinsk, 606016 (RU). **ERMOLAYEV, Viktor Timofeevich** [RU/RU]; ul. Pyatigorskaya, 16-95, Nizhny Novgorod, 603024 (RU). **MASLENNIKOV, Roman Olegovich** [RU/RU]; ul. Nevzorovskiy, 82-137, Nizhny Novgorod, 603009 (RU).

(74) Agent: **OBSHESTVO S OGRANICHENNOI OTVETSTVENNOSTJU "SOJUZPATENT"**; ul. Iliinka, 5/2, Moscow, 103735 (RU).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

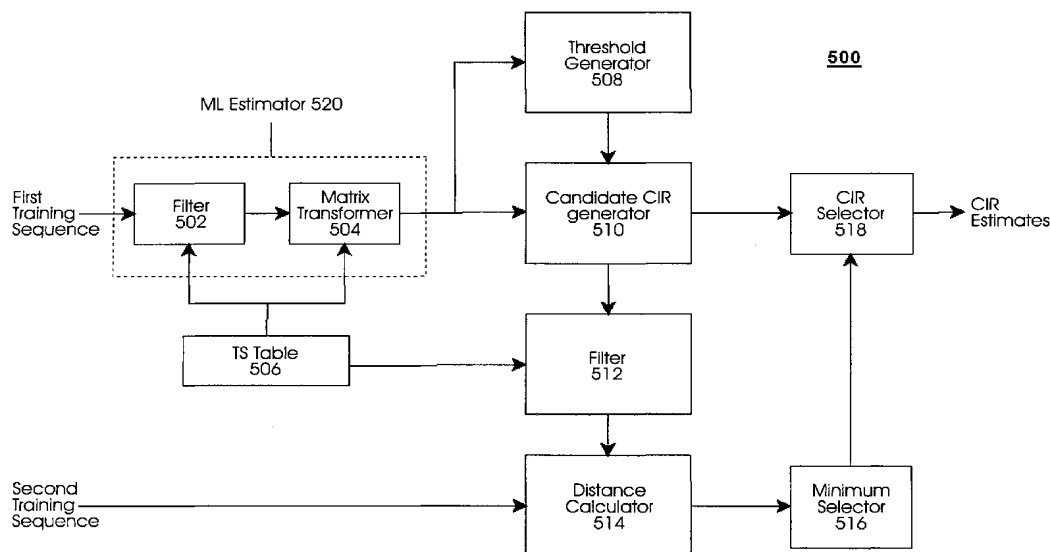
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS TO PERFORM CHANNEL ESTIMATION FOR A COMMUNICATION SYSTEM



(57) Abstract: A method and apparatus to perform channel estimation for a communication system are disclosed.

WO 2005/076555 A1